

patent attorneys

orneys **FEB 0 2 200** 

January 30, 2004

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"LICENSED ONLY IN KY

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 2231§-1450 on January 30, 2004

Shaylor E. Dunn Date of Signature

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FEB 0 9 2004

Technology Center 2600

Re

P.O. Box 1450

Commissioner for Patents

Alexandria, VA 22313-1450

U.S. Patent Application Serial No. 09/768,881 for DISTRIBUTED SS7

MESSAGE ROUTING GATEWAY

Our File No. 1322/58

Sir:

Please find enclosed in connection with the subject U.S. patent application the following documents:

- 1. Supplemental Information Disclosure Statement (4 pages);
- 2. Form PTO/SB/08A in duplicate;
- 3. Copies of seven (7) documents referenced in the Supplemental Information Disclosure Statement;
- 4. Fee Transmittal (Form PTO/SB/17) in duplicate; and
- 5. A return-receipt postcard to be returned to us with the U.S. Patent and Trademark Office filing stamp thereon.

The Commissioner is hereby authorized to charge any fees associated with the filing of this correspondence to Deposit Account No. **50-0426**.

Respectfully submitted,

JENKINS, WILSON & TAYLOR, P.A.

GAH/sed

Gregoff A. Hunt

Registration No. 41,085

Customer No.: 25297

**Enclosures** 

PTO/SB/17 (10-03)

Approved for use through 07/31/2006, OMB 0651-0032
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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

## EE TRANSMITTAL for FY 2004

Effective 10/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

(a) TOO'O	(\$)	180	.00
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Co	omplete if Known		
Application Number	09/768,881		
Filing Date	January 24, 2001	RECEIV	FD
First Named Inventor	Robert John Tinsl	ey	
Examiner Name	Nguyen, S.H.D.	FEB 0 9 20	04
Art Unit	2665		000
Attorney Docket No.	1322/58	Technology Cen	rer 260

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Continuity   Con	Deposit	T 1.	117.1 0 77 1	D 4					•	
The Director is authorized to: (check all that apply)   Straight Charge fee(s) indicated below		Jenkins	, Wilson & Taylor	, P.A.					cover sheet	
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Total Claims	Charge any	y additional fee	(s) or any underpayment o	f fee(s)	1804	920	1804	920-		
1. BASIC FILING FEE   Large Entity   Small Entity   Fee Peal Code (\$)   Cod	<u> </u>	• •		fee	1805	1,840*	1805	1,840*		
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Code (\$)					1253	950	2253	475	Extension for reply within third month	
1001 770   2001 385			Fee Description	Fee Paid	1254	1,480	2254	740	Extension for reply within fourth month	
1002 340   2002 170   Design filing fee   1401 330 2401 165 Notice of Appeal   1402 330 2402 185 Filing brief in support of an appeal   1403 290 2403 145 Request for oral hearing   1405 1451 1,510 Petition to institute a public use proceeding   1405 1451 1,510 Petition to revive - unavoidable   1452 110 2452 55 Petition to revive - unavoidable   1453 1,330 2501 665 Petition to revive - unavoidable   1453 1,330 2501 665 Petition to revive - unavoidable   1453 1,330 2501 665 Petition to revive - unavoidable   1453 1,330 2501 665 Petition to revive - unavoidable   1453 1,330 2501 665 Petition to revive - unavoidable   1453 1,330 2501 665 Petition to revive - unavoidable   1453 1,330 2501 665 Petition to revive - unintentional   1452 110 2452 55 Petition to revive - unavoidable   1453 1,330 2501 665 Petition to revive - unintentional   1452 110 2452 110 2452 110 2452 110 2452 110 2453 110 245	` '		Utility filing fee		1255	2,010	2255	1,005	Extension for reply within fifth month	
1003 530   2003 265   Plant filing fee   1402 330   2402 165 Filing brief in support of an appeal   1403 290 2403 145 Request for oral hearing   1451 1,510   1451 1,510   1451 1,510   Petition to institute a public use proceeding   1452 110 2452 55 Petition to revive - unavoidable   1453 1,330 2453 665 Petition to revive - unintentional   1453 1,330 2453 665 Petition to revive - unintenti			, -		1401	330	2401	165	Notice of Appeal	
1004 770   2004 385   Reissue filing fee	i		• •		1402	330	2402	165	Filing brief in support of an appeal	
SUBTOTAL (1) (\$) 0.00  2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1004 770	2004 385	•		1403	290	2403	145	Request for oral hearing	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE    Extra Claims	1005 160	2005 80	Provisional filing fee		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE  Extra Claims below Fee Paid  Total Claims -3** = X -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4		•	SUBTOTAL (1) (\$)	0.00	1452	110	2452	55	Petition to revive - unavoidable	
Fee from below Fee Paid  Total Claims					1453	1,330	2453	665	Petition to revive - unintentional	
Total Claims Independent Claims Multiple Dependent  Large Entity Small Entity Fee Fee Code (\$)  1202 18 2202 9 Claims in excess of 20 1201 86 2201 43 Independent claims in excess of 3 1203 290 2203 145 Multiple dependent claims in excess of 3 1204 86 2204 43 "Reissue independent claims over original patent of and over original patent  Substotal (2)  Substotal (2)  1503 640 2503 320 Plant issue fee 1460 130 1460 130 Petitions to the Commissioner 1807 50 1807 50 Processing fee under 37 CFR 1.17(q)  1806 180 1806 180 Submission of Information Disclosure Stmt 180.00  Recording each patent assignment per property (times number of properties) 1809 770 2809 385 Filing a submission after final rejection (37 CFR 1.129(a)) 1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b)) 1801 770 2801 385 Request for Continued Examination (RCE) 1802 900 1802 900 Request for expedited examination of a design application  Other fee (specify)  Reduced by Basic Filing Fee Paid	2. EXTRA	CLAIM FEE		m	1501	1,330	2501	665	Utility issue fee (or reissue)	
Independent Claims  - 3** =	Tatal Claims			Fee Paid	1502	480	2502	240	Design issue fee	
Multiple Dependent  Large Entity   Small Entity   Fee   Fee   Fee   Fee   Code (\$)    1202   18   2202   9   Claims in excess of 20    1201   86   2201   43   Independent claims in excess of 3    1203   290   2203   145   Multiple dependent claims over original patent    1204   86   2204   43   Reissue independent claims over original patent    1205   18   2205   9   Reissue claims in excess of 20    1206   1807   50   Processing fee under 37 CFR 1.17(q)    1806   180   1806   180   Submission of Information Disclosure Stmt    1807   50   Recording each patent assignment per property (times number of properties)    1809   770   2809   385   Filing a submission after final rejection (37 CFR 1.129(a))    1807   50   Processing fee under 37 CFR 1.17(q)    1808   1809   1809   Submission of Information Disclosure Stmt    1809   770   2809   385   Filing a submission after final rejection (37 CFR 1.129(a))    1809   770   2810   385   For each additional invention to be examined (37 CFR 1.129(b))    1809   770   2810   385   For each additional invention to be examined (37 CFR 1.129(b))    1809   770   2810   385   Request for Continued Examination (RCE)    1809   770   2801   385   Request for expedited examination of a design application    1809   770   2801   385   Request for expedited examination of a design application    1809   770   2801   385   Request for expedited examination    1809   770   2801   385   Request for expedited examination    1800   770   2801   385   Request for expedited examination    1801   770   2801   385   Request for expedited examination    1801   770			· -	┤╄───┤	1503	640	2503	320	Plant issue fee	
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1202 18	` '	1 ' '			8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1203 290 1204 86 1204 43 **Reissue independent claims over original patent 1205 18 1205 9 **Reissue claims in excess of 20 and over original patent  SUBTOTAL (2)  (\$\$ 0.00\$  1810 770 2810 385 For each additional invention to be examined (37 CFR 1.129(b)) 1801 770 2801 385 Request for Continued Examination (RCE) 1802 900 Request for expedited examination of a design application  Other fee (specify)  **Reduced by Basic Filing Fee Paid CURTOTAL (2) (5) 1800 00					1809	770	2809	385	Filing a submission after final rejection	
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and over original patent  Other fee (specify)  *Reduced by Basic Filing Fee Paid  CURTOTAL (2) (5) 180 00	1204 86	2204 43		ii ciaims	1801	770	2801	385	, , , , , , , , , , , , , , , , , , , ,	
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	**or numbe			9.00	*Red	iced by	Basic	Filing F	ee Paid SUBTOTAL (3) (\$)	180.00

SUBMITTED BY

Name (Print/Type)

Signature

(Complete (if applicable)

Registration No. (Attorney/Agent)

Attorney/Agent)

(Complete (if applicable)

Telephone 001-919-493-8000

Date January 30, 2004

WARNING Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Tinsley et al.

Group Art Unit: 2665

Serial No.: 09/768,881

Examiner: Nguyen, S. H. D.

Filed: January 24, 2001

Docket No.: 1322/58

Confirmation No.: 3806

For:

Shayler E. Dunn Date of Signature

DISTRIBUTED SS7 MESSAGE ROUTING GATEWAY

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEME

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

FEB 0 9 2004

Technology Center 2600

Sic:

In accordance with 37 C.F.R. 1.56, 1.97, and 1.98, applicants' undersigned attorney brings to the attention of the Patent and Trademark Office the document listed on the attached form PTO/SB/08A. A copy of the reference as well as Form PTO/SB/08A is attached hereto. This is not to be construed as a representation that a search has been made or that a reference is relevant merely because cited.

In addition to the reference cited on the form PTO/SB/08A, the Examiner's attention is directed to the following attached unpublished documents:

- 1. Weekly Status Report for week of 6/15 - 6/18/1998
- 2. Weekly Status Report for the weeks of 7/6 - 7/10/1998;
- Weekly Status Report for week of 7/13 7/17/1998; 3.

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- Copy of Affidavit of David M. Sprague filed in commonly-assigned, U.S.
   Patent Application Number 09/443,712;
- PCS Access Network Requirements: Interface Specification, Interface:
   Service Access Socket System Interface (SASSI), Version 01.01, December
   1998; and
- PCS Access Network Requirements: Product Specification, Network Element: Gateway Signal Transfer Point between CCS/SS7 and TCP-IP Networks (GW-STP-IP), December 3, 1998.

Document number 1 listed above is a weekly status prepared by Dan Brendes, an employee of the assignee of the present application, indicating that during the week of June 15-June 18, 1998, work on providing SS7 over IP in the Eagle® STP Platform was in progress. Documents number 2 and 3 listed above are additional status reports prepared by Dan Brendes for the weeks of July 6, 1998 and July 13, 1998, indicating that SS7 over IP mappings for the Eagle® STP were being worked on and were completed by June 17, 1998. Thus, based on the status reports listed above, Applicants were working on implementation details for providing SS7 over IP functionality in their STP at least as early as June 15, 1998.

Document number 4 is a copy of an Affidavit of David M. Sprague, an employee of the assignee of the present application, explaining documents 5 and 6.

Document number 5 listed above relates to the service access system interface (SASSI). This document was prepared by a customer of the Assignee based on earlier ideas originated by the inventors of the present application. The attached Affidavit of David M. Sprague explains the origin of document number 5.

Document number 6 is a proposed requirements document for a gateway STP that provides an IP interface for SCCP messages in a mobile communications network. The document is dated December 3, 1998. As indicated in the attached status reports and in the attached Affidavit of David M. Sprague, the idea of providing SS7 over IP signaling functionality in an STP was originated by employees of the assignee who were working on implementing this idea prior to December 1998.

Applicants respectfully request that the attached documents be made of record.

This information is being submitted subsequent to the later of three months after the filing date of the present application or the mailing of the first Office Action on the merits, but before the mailing of a Final Action or the Notice of Allowance. Accordingly:

- [ ] No \$180 fee under 37 C.F.R. Section 1.17(p) is due as the undersigned hereby certifies:
  - [ ] that each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement, or
  - [ ] that to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in this statement was known to any individual designated in 37 C.F.R. Section 1.56(c) more than three months prior to the filing of this statement.
- [XX] The undersigned is unable to so certify, because submission of the present Information Disclosure Statement is after receipt by applicant of an Official Action on the merits, and thus the Commissioner is hereby authorized to

Serial. No. 09/768,881

charge the fee of \$180.00 to Deposit Account No. <u>50-0426</u> under 37 C.F.R. Section 1.17(p).

It is respectfully requested that the Examiner indicate consideration of the cited references by returning a copy of the attached form PTO/SB/08A with initials or other appropriate marks. Early passage of the subject application to issue is earnestly solicited.

The Commissioner is hereby authorized to charge any fees associated with the filing of this correspondence to Deposit Account No. <u>50-0426</u>.

Respectfully submitted,

JENKINS, WILSON & TAYLOR, P.A.

Date: January 30, 2004 By:

Crossol

Registration No. 41,085 Customer No.: 25297

1322/58

GAH/sed

**Enclosures** 

PTO/SB/08a (08-03)

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Complete if Known ubstitute for form 1449A/PTO **Application Number** 09/768,881 Filing Date INFORMATION DISCLOSURE 01/24/2001 First Named Inventor STATEMENT BY APPLICANT Robert John Tinsley Art Unit 2665 Examiner Name Nguyen, S.H.D. (Use as many sheets as necessary Attorney Docket Number 1322/58

of

Sheet

Examiner Initials*	Cite No.1	Document Numb  Number-Kind Code <sup>2 (2)</sup>		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code 3-Number 4-Kind Code 5 (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>		

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Examiner	· ·	Date	
Signature		Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.